

LIST OF CURRENT CLAIMS

1. (Currently Amended) Implant for osteosynthesis device particularly of the backbone, comprising

a bone anchoring device topped by a fixing head comprising two lateral branches forming an open U and configured to receive a linking rod, and

a threaded nut adapted to screw on corresponding threaded parts produced on partially cylindrical outer walls of the lateral branches of the fixing head,

wherein the nut comprises[[,]] a plate mounted completely within an open cylindrical inner part of the nut, the plate being in free rotation in and extending diametrically across [[an]] the open cylindrical inner part of the nut, the plate having a width such that two lateral clearances are defined on either side of said plate in order to allow passage of the branches of the fixing head inside the nut whereby the plate is allowed to slide between the branches;

wherein said two lateral clearances are configured and dimensioned to receive, when the lateral branches of the fixing head are engaged in said lateral clearances, to permit the insertion of two pins of an auxiliary tool for gripping the nut in order to facilitate assembly of the nut on the fixing head.

2. (Cancelled).

3. (Previously Presented) Implant for osteosynthesis device according to claim 1, wherein the fixing head comprises two grooves made opposite on the inner walls of the U-shaped branches in order to ensure, after assembly of the rod, the guiding of pins of a tool on the fixing head and a blind indexing of the plate between the U-shaped branches of said head, before and during clamping of the nut which supports it, via the same tool.

4. (Previously Presented) Implant for osteosynthesis device according to claim 3, wherein the plate comprises, on its lateral edges, two notches defining, in complement and in cooperation with the guiding grooves of the U-shaped branches of the fixing head, housings intended for the introduction and positioning of pins of a tool.

5. (Previously Presented) Implant for osteosynthesis device according to claim 4, wherein the notches form, in the edges of the plate, quadrangular baffles intended for housing the extensions of the pins of a tool.

6. (Previously Presented) Implant for osteosynthesis device according to claim 4, wherein the surface of the plate is concave and congruent of the surface of the cylindrical rod and knurled for a better adherence on said rod.

7. (Cancelled)